

AMENDMENTS TO THE CLAIMS

This listing of claims is to replace all prior versions and listings of claims in the application.

1. (Original) A substantially pure immunogenic polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.

2. (Original) The substantially pure immunogenic polypeptide of claim 1, wherein said sequence consists essentially of SEQ ID NO: 81 or amino acids 2 to 13 of SEQ ID NO: 101.

3. (Withdrawn) A substantially pure nucleic acid encoding an immunogenic polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.

4. (Withdrawn) The substantially pure nucleic acid of claim 6, wherein said sequence consists essentially of SEQ ID NO: 81 or amino acids 2 to 13 of SEQ ID NO: 101.

5. (Withdrawn) A substantially pure antibody that specifically binds to a polypeptide having a sequence consisting essentially of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.

6. (New) The substantially pure immunogenic polypeptide of claim 1, wherein said polypeptide has a sequence consisting of SEQ ID NO: 81 or a subsequence of SEQ ID NO: 81 that comprises amino acids 2 to 13 of SEQ ID NO: 101.

7. (New) The substantially pure immunogenic polypeptide of claim 6, wherein said polypeptide has a sequence consisting of SEQ ID NO: 81.

8. (New) The substantially pure immunogenic polypeptide of claim 2, wherein said sequence consists of amino acids 2 to 13 of SEQ ID NO: 101.